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## Calendar

**Wed., April 11**
**11:00 a.m.**

Special Joint Experimental-Theoretical Physics Seminar -- (NOTE DATE, TIME, LOCATION) Ramsey Auditorium Speakers: W. Louis, Los Alamos National Laboratory, J. Conrad, Columbia University

Title: Initial MiniBooNE

Oscillation Results

THERE WILL BE NO ILC R&D MEETING THIS WEEK 3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over 4:00 p.m.

Fermilab Colloquium - 1 West Speaker: D. DiVincenzo, IBM Watson Research Center Title: Quantum Computing: Solving Complex Problems

**Thurs., April 12**

THERE WILL BE NO ALCPG ILC PHYSICS AND DETECTOR SEMINAR THIS WEEK

THERE WILL BE NO THEORETICAL PHYSICS SEMINAR THIS WEEK

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over 4:00 p.m.

Accelerator Physics and Technology Seminar - 1 West Speaker: M. Ross, Fermilab Title: Status/Plans for Technical Division

[Click here](#) for NALCAL, a weekly calendar with links to additional information.

## Weather



**Snow 35°/31°**

[Extended Forecast](#)  
[Weather at Fermilab](#)

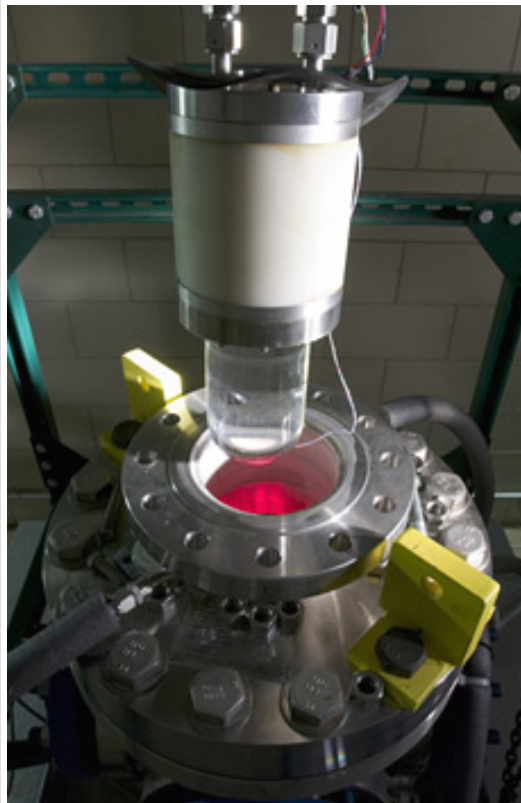
## Special Announcement

### Today, 11 a.m.: MiniBooNE presents first neutrino results

The MiniBooNE experiment, designed to answer one of the long-standing questions in neutrino physics, has delivered its first results. The MiniBooNE collaboration will present their findings at a special seminar in the Ramsey Auditorium today at 11 a.m. Everyone is invited to attend.

## Feature

### IMPRINT makes an impression



IMPRINT participant Eric Michael Rivera is working on the optical aspects of a next-generation bubble chamber for the COUPP experiment.

Just a sophomore in the College of Engineering at the University of Illinois at Urbana-Champaign, Eric Michael Rivera will soon return to Fermilab for his third summer as an intern. He will continue working with CD's Peter Cooper on the Chicago Observatory for Underground Particle Physics bubble chamber project. Rivera began his internship with Fermilab the summer after he graduated high school, as part of the Illinois

## From the Business Services Section

### Business or 'bribe'?

*Today's column is written by Dave Carlson, head of Business Services Section.*

I found out recently from a university physics student that my job -- taking care of business for science -- is actually "preserving the conservation of



Dave Carlson

energy." I didn't think the law of conservation of energy needed any preserving, but maybe I will learn more about this concept when representatives from the Society of Physics Students at Central Michigan University (CMU) return to Fermilab. The important-sounding thought that I was somehow involved in preserving a natural law arose from an impromptu Saturday afternoon discussion in my office with Clavis A. James, President of the Society, and three fellow members, Clark VanDam, Jeffery VanHamlin and Daniel Simon, along with their enthusiastic and knowledgeable Fermilab docent, Mary Hawthorne.

They had visited Argonne National Lab, and I'm not sure why they stopped by the Business Office for answers to their physics questions. But I was here, so I tried. One question involved detecting neutrinos. As often seems to happen when I'm having trouble containing an enthusiastic explanation, I went to my whiteboard and drew a crude schematic of the old E-356 neutrino detector formerly in Lab E. That's an easy example to fall back on, because it's where I worked when I first came to Fermilab and the experiment was being built.

They quickly pushed me to the limit of my grasp of particle physics, but they seemed intrigued that a business guy loved to talk about the science here. Many Fermilab employees enjoy bringing family and friends to show off what we do, expressing an attitude of pride and enthusiasm comprising a big part of the rewards of working here.

**Current Security Status**[Secon Level 3](#)**Wilson Hall Cafe****Wednesday, April 11**

- Italian wedding soup w/ meatballs
- Diner style patty melt
- Chicken a la mer
- Mongolian beef
- Greek chicken panini w/feta cheese
- Assorted sliced pizza
- Chicken w/pesto cream

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, April 11 Lunch**

- Veal cannelloni
- Caesar salad
- Tiramisu

**Thursday, April 12 Dinner**

- Vol-au-vents w/ mushroom duxelle
- Asian BBQ lamb chops
- Rice pilaf
- Spinach w/pine nuts & lemon zest
- Lemon napoleon

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Minority Precollege Internship Program, or IMPRINT.

A partnership between Fermilab's employment department and the University of Urbana-Champaign College of Engineering, IMPRINT pairs incoming minority freshman with computing professionals and engineers at Fermilab. The program gives high school seniors a chance to spend three months on the job at Fermilab before college starts.

Students are paid a small salary, and they return to the laboratory each summer during their undergraduate education for up to five summers. "That makes it so much easier for hiring managers because for the next five summers they've got a student they can depend on, and who is learning even more from coursework at school," said Shelley Krivich of Fermilab's Employment Office. "It's like anything else; once you get them trained and they prove to be a good employee, why re-invent the wheel?"

Rivera will return this summer to continue work with COUPP, a dark matter search, and help design optical aspects of the experiment's next-generation bubble chamber. Said Krivich: "Eric says this work will help him not only with his mechanical engineering education, but it will also give him a leg up in his general physics classes."

Hiring managers interested in IMPRINT may contact [Shelley Krivich](#) for more details. The deadline is April 13.

--Siri Steiner

**In the News*****Interactions.org,*  
April 9, 2007:****FELLOWSHIPS AIM TO STIMULATE  
YOUNG THEORETICAL PHYSICISTS***LHC Theory Initiative Awards First-Ever Grants*

The Large Hadron Collider (LHC) Theory Initiative, a U.S.-based consortium of theoretical physicists aiming to stimulate and cultivate new young talent in anticipation of the opening of the Large Hadron Collider later this year, announces its 2007 LHC Theory Graduate Fellowship Awards.

Administered by The Johns Hopkins University and funded by the National Science Foundation, the \$40,000 awards -- being

As for the "bribe:" We offered to entertain these students again, and I agreed to mention their visit in my next Fermilab Today column -- if they would share their positive visiting experience with their fellow society members. Since they were also very concerned about issues of science and math education in the United States, I recommended they read the report commissioned by the National Academies, "Rising Above the Gathering Storm."

Clavis James and a few others are new subscribers to Fermilab Today, and Clavis has started to read the National Academies' report. I believe he will be keeping his end of the bargain today, when, in his words, "I plan on preaching about the exciting wonders of Argonne (and more importantly) Fermilab ... I hope Fermilab will continue to inspire as it did for us." Isn't it wonderful when our enthusiasm is reflected in the motivation of others, in this case, a group of students who traveled all the way from Mt. Pleasant, Michigan, on a dreary Saturday to see a couple of DOE laboratories?

**Announcements****Grounding and Shielding and Circuit Board Layout Classes**

The Office for Professional Development has added two technical courses to its Spring Schedule. Grounding and Shielding of Electronic Systems is scheduled for June 5 and 6. [Learn more and register](#). Circuit Board Layout to Reduce Noise Emission and Susceptibility is scheduled for June 7. [Learn more and register](#).

If classes fill, a waitlist for future dates is available.

[Upcoming Activities](#)

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suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

distributed for the first time this year -- will  
provide selected young theorists with funds to  
underwrite the costs of their research,  
including travel and computing needs.

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